

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03F1/02 H04B1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03F H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 122 491 A (FRANCISCO MARK) 19 September 2000 (2000-09-19) column 2, line 29 - line 52 ---	1-21
X	US 5 977 829 A (WELLS GLENN E) 2 November 1999 (1999-11-02) column 2, line 14 -column 3, line 61; figure 1 ---	1-21
X	US 5 923 215 A (HANS RAVINDER SINGH) 13 July 1999 (1999-07-13) abstract; figure 1 ---	1-21
X	US 2002/132652 A1 (VU KHOI TAM ET AL) 19 September 2002 (2002-09-19) page 1, left-hand column, line 50 - line 51 -----	1,11,21

☐ Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

19 December 2003

Date of mailing of the international search report

08/01/2004

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INTERNATIONAL SEARCH REPORT

ation on patent family members

Internat' Application No

T/ 03/04013

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6122491	A	19-09-2000	NONE	
US 5977829	A	02-11-1999	NONE	
US 5923215	A	13-07-1999	DE 19718109 A1 JP 10051243 A	13-11-1997 20-02-1998
US 2002132652	A1	19-09-2002	WO 02075920 A2	26-09-2002